Performance Data Sheet

VSC5548BNA

General Information

Model	VSC5548BNA	**Refrigerant**	R-410A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	15400	13800					
	Watts	2560	2990					
	Amps	16.8	18.2					
	Lb/h	186	175					
-10	Btu/h	17800	16100	14500				
	Watts	2540	2970	3440				
	Amps	16.8	18.2	19.8				
	Lb/h	213	203	193				
-5	Btu/h	20500	18700	17000	15300			
	Watts	2530	2940	3410	3940			
	Amps	16.8	18.2	19.8	21.6			
	Lb/h	244	235	224	213			
0	Btu/h	23500	21700	19900	18000	16100		
	Watts	2520	2920	3380	3900	4480		
	Amps	16.8	18.2	19.8	21.6	23.8		
	Lb/h	278	269	260	249	235		
5	Btu/h	26900	25000	23000	21100	19000		
	Watts	2510	2910	3360	3870	4440		
	Amps	16.8	18.2	19.7	21.5	23.7		
	Lb/h	316	307	298	288	275		
10	Btu/h	30600	28500	26500	24400	22100	19700	17100
	Watts	2500	2890	3330	3830	4410	5050	5780
	Amps	16.8	18.2	19.7	21.5	23.6	26.1	29.1
	Lb/h	358	349	341	331	319	303	282
15	Btu/h	34700	32500	30300	28000	25600	23000	20200
	Watts	2490	2870	3310	3800	4370	5010	5730
	Amps	16.8	18.1	19.7	21.4	23.5	26.0	29.0
	Lb/h	403	395	387	377	366	351	331
20	Btu/h	39200	36800	34400	31900	29300	26600	23600
	Watts	2490	2860	3280	3770	4330	4970	5680
	Amps	16.8	18.1	19.6	21.4	23.4	25.9	28.8
	Lb/h	452	444	437	428	416	402	383

25	Btu/h	44100	41500	38900	36200	33400	30400	27200
	Watts	2480	2840	3260	3740	4300	4930	5640
	Amps	16.7	18.1	19.6	21.3	23.4	25.8	28.7
	Lb/h	506	498	490	482	471	457	439
30	Btu/h	49400	46600	43700	40800	37800	34600	31100
	Watts	2470	2830	3240	3710	4260	4890	5590
	Amps	16.6	18.0	19.5	21.2	23.3	25.7	28.6
	Lb/h	564	556	548	540	529	516	498
35	Btu/h	55100	52000	48900	45800	42500	39000	35300
	Watts	2460	2810	3210	3680	4230	4850	5550
	Amps	16.5	17.9	19.4	21.2	23.2	25.6	28.5
	Lb/h	626	618	610	602	592	579	561
40	Btu/h	61300	57900	54600	51100	47600	43900	39900
	Watts	2450	2790	3190	3650	4190	4800	5500
	Amps	16.4	17.8	19.3	21.1	23.1	25.5	28.4
	Lb/h	693	684	677	668	658	645	629
45	Btu/h	67900	64300	60600	56900	53000	49000	44700
	Watts	2430	2760	3160	3610	4150	4760	5450
	Amps	16.2	17.6	19.2	21.0	23.0	25.4	28.2
	Lb/h	764	755	747	739	729	716	700
50	Btu/h	75000	71000	67100	63000	58900	54500	49900
	Watts	2410	2740	3120	3580	4100	4710	5400
	Amps	16.0	17.5	19.1	20.8	22.9	25.3	28.1
	Lb/h	840	831	823	814	804	792	776
55	Btu/h	82500	78300	74000	69600	65100	60400	55500
	Watts	2390	2710	3090	3530	4060	4660	5350
	Amps	15.8	17.3	18.9	20.7	22.7	25.1	28.0
	Lb/h	921	911	902	894	884	871	855

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	4.654835E+04	4.485337E+02	3.037157E+00	4.733178E+02
C2	7.917347E+02	1.766938E+01	-2.964376E-02	7.499061E+00
C3	-4.561481E+02	2.044709E+01	2.979733E-01	-5.196901E+00
C4	1.013424E+01	1.086581E-02	-9.266387E-04	8.720127E-02
C5	-1.625285E+00	-3.068414E-01	9.707752E-04	-1.472259E-02
C6	2.939056E+00	-1.628335E-02	-2.622846E-03	4.989577E-02
C7	1.862995E-02	-8.263672E-04	-3.379875E-06	1.577656E-04
C8	-4.143228E-02	3.756173E-04	9.096058E-06	-1.776931E-04
C9	-3.153059E-03	7.492442E-04	-7.229268E-06	1.364054E-04
C10	-1.044319E-02	1.051628E-03	1.315206E-05	-1.928701E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature